Moving Test from June 2nd to May 31st

Motors Lab - Magnetic Induction

Part A

Draw the solenoid and predict the direction the current will flow into the galvanometer. If the current goes into the positive end, the reading will be positive - needle goes right. Theory: the induced current creates a magnetic field that opposes the change.

Part B - Motor on a stand

V_____I_____ when you hold the armature, so can determine r=V/I = _____

V(V)	I(A)	mass of washers	time(s) to lift 1.0m
		(start with max)	range of times

disconnect the motor from the power supply and connect it to the galvanometer.

return everything to initial setup for the next group.

Part C - not in the book
make a monopole motor -

https://www.youtube.com/watch?v=xbCN3EnYfWU

V_{back} = emf - Ir

graph V_{back} vs velocity, v=d/t